



# SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHA LTD.,  
ODHAV, AHMEDABAD – 382 415, INDIA

PRODUCT CODE : EPOXY / 03.17

## Synpol 5545

TYPE : Fatty acid modified epoxy ester

DESCRIPTION : Long oil length oxidising fatty acid modified epoxy ester solution for air drying applications.

### SPECIFICATIONS :

1) Appearance	Clear yellowish viscous liquid.
2) Density @ 25 <sup>o</sup> C.	0.92 - 0.93
3) % Solids @ 120 <sup>o</sup> C. for 2 hrs.	68 - 72
4) Solvent	Mineral turpentine
5) Viscosity of 50 % solution in M.T.O @ 25 <sup>o</sup> C. , poises (gardner)	1 - 4
6) Colour value (gardner)	12 max.
7) Acid value (mg KOH/g) of resin solids	7 max.

### SOLUBILITY :

Synpol 5545 is soluble in higher alcohols, esters, ketones, glycol ethers, aromatic and aliphatic hydrocarbons, and is insoluble in water.

### COMPATIBILITY :

Synpol 5545 is compatible with long oil alkyd resins, and all types of butylated UF & MF resins.

### APPLICATIONS :

Synpol 5545 find applications in clear and pigmented floor finishes, maintenance finishes giving toughness and chemical resisting properties along with durability and excellent adhesion to concrete, wood, brick, metal and other substrates.

### SUGGESTIVE FORMULATIONS :

#### 1) Air drying gray floor enamel.

	kgs.
Titanium dioxide Rutile	26.45
Lamp black	0.05
Aerosil 200	0.5
Synpol 5545	48.0
Mineral turpentine	24.0
Cobalt nephthanate 6 %	0.3
Zirconium octoate 6 %	0.6
Anti-skinning agent	<u>0.1</u>
Total	100.0

% Solids	60.0
Pigment binder ratio	44 : 56
Drying time, hrs.	Set to touch Tack free Hard dry
	1 - 2 2 - 3 4 - 5

#### 2) White top coat for industrial maintenance.

	kgs.
Titanium dioxide Rutile	33.0
Talc	4.0
Aerosil 200	1.0
Synpol 5545	41.0
Mineral turpentine	20.5
Cobalt drier 6 %	0.2
Calcium drier 4 %	0.2
Anti-skinning agent	<u>0.1</u>
Total	100.0

% Solids	66.7
Pigment binder ratio	57 : 43
Drying time, hrs.	Set to touch Tack free Hard dry
	1 - 2 2 - 3 4 - 5

Continued.....

DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

## MATERIAL SAFETY DATA:

Product name	Synpol 5545
Flash point ° C. (Abel closed cup)	40
Flammability	Moderate fire risk
Toxicity	Mild toxic by exposure and inhalation due to vapours of mineral turpentine.
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.
Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

### STORAGE:

Synpol 5545 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

### PACKING:

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

### DISCLAIMER:

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

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